



JHU/APL File No. 1880-SPL

In re application of: .Spectrograph time-of-Flight System for Low Energy Neutral particles

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

For: Stefano A. Livi

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	(BA) 1 5 0 (1 0 0			
Filing Date	111/2/04/0			
First Named Inventor	Livi			
Group Art Unit				
Examiner Name				
Attorney Docket Number	1880-SPL			

	U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.1	U.S. Patent I Number	Document Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A	US-5726448	(II KIIOWII)	Smith et al	03/10/1998	rigules Appeal
	В	US-4315149		Ledford, Jr.	02/09/1992	
	С	US-5625186		Frankevich et al.	04/29/1997	
	D	US-4221964		Schlereth et al.	09/09/1980	
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	FOREIGN PATENT DOCUMENTS							
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Application Number TBA 🕊 🚱 Filing Date **First Named Inventor** Livi Group Art Unit **Examiner Name**

1880-SPL

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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner Cite T2 item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initials' No.1 publisher, city and/or country where published. "Application of the Rotating Electric Monopole Theory to Marginal Oscillators," Melvin B. Comisarow, International Journal of Mass Spectrometry and Ion Physics, 26 (1978) pp. 369-378 Ε "Design and Analysis of a Mass Spectrometer with Superimposed Magnetic and Rotating Electric Fields," Murai et al., T.IEE Japan, Vol. 122-A (2002) No. 3, pp. 250-60 "Charged Particles in a Rotating Magnetic Field," Fernandez et al., Physical Review A - Atomic, Molecular, and Optical Physics v. 65 n 5 B (May 2002) p. 561011 (Abstract) G "Mass Spectroscopy Using a Rotating Electric Field," Clemmons et al., Rev. Sci. Instrum, 69(6), pp. 2285-2291, (June 1998) (Abstract) Н

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